PATENT ABSTRACTS OF JAPAN

(11)Publication number : **01-163470**
(43)Date of publication of application : **27.06.1989**

(51)Int.CI. F02P 19/02
F02P 19/02

(21)Application number : **62-317572**
(22)Date of filing : **17.12.1987**

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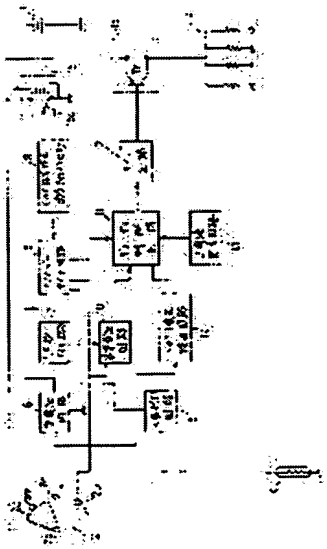
(54) CONTROL DEVICE FOR ELECTRIFICATION OF GLOW PLUG



(57)Abstract:
PURPOSE: To carry out the rapid heating of glow plugs even when a battery voltage is remarkably lowered by lowering the effective value of the applying voltage to the glow plugs when the applying voltage is above the lowered voltage value of the storage battery.
CONSTITUTION: A duty control circuit 11 selects a proper duty ratio based on the voltage value of a storage battery 1 inputted via a battery detecting circuit 14 and a reference voltage value which is set via a reference voltage circuit 10. The pulse signal of the selected duty ratio is formed by utilizing a triangular wave inputted via a triangular wave generating circuit 13 and the formed pulse signal is sent out to a drive circuit 12. Thus, when the applied voltage to glow plugs 3 is above the lowered voltage value of the storage battery 1, the effective value of the applied voltage is lowered, and regulated to be nearly equal to and kept at the lowered voltage value of the storage battery 1. Hence, even if the battery voltage is remarkably lowered at the time of starting a Diesel engine in a severely cold environment, the glow plugs can be rapidly heated.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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